## Rec'd PCT/PTO 08 MAY 2006 10/541044

## SEQUENCE LISTING

<110> Miller, Benjamin L. Krauss, Todd D. Du, Hui Crnkovich, Nicole Strohsahl, Christopher M. <120> HYBRIDIZATION-BASED BIOSENSOR CONTAINING HAIRPIN PROBES AND USE THEREOF <130> 176/61442 <140> 10/541,044 <141> 2004-01-02 <150> 60/437,780 <151> 2003-01-02 <150> PCT/US2004/000093 <151> 2004-01-02 <160> 19 <170> PatentIn Ver. 2.1 <210> 1 <211> 48 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: probe acacgctcat cataaccttc agcaagcttt aactcatagt gagcgtgt 48 <210> 2 <211> 39 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: probe <400> 2 aatgatgata acaccttcta cacctccata atcatcatt .39

```
<210> 3
<211> 39
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: probe
<400> 3
ggtctggtcg agcgtttccg cgcgaccctc ccaaagaca
                                                                    39
<210> 4
<211> 39
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: probe
<400> 4
gttcggcgag cctctcttta tagcggctca acgctggac
                                                                   39
<210> 5
<211> 34
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: probe
<400> 5
tcgttagtgt taggaaaaaa tcaaacactc gcga
                                                                   34
<210> 6
<211> 39
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: probe
<400> 6
tttctttcac catggatttc taatattcat gaaaagaaa
                                                                   39
```

<210> 7	
<211> 34	
<212> DNA	
<213> Artificial Sequence	
-	
<220>	
<pre>&lt;223&gt; Description of Artificial Sequence:</pre>	probe
(223) bescription of Artificial Sequence.	probe
.400. 7	
<400> 7	·
tcttcaccat ggatttctaa tatccatgaa aaga	34
	•
<210> 8	
<211> 31	
<212> DNA	
<213> Artificial Sequence	
<220>	
	nroho
<223> Description of Artificial Sequence:	probe
<400> 8	
cgtgattcat tagttatgct aggagatcac g	31
<210> 9	
<211> 33	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<pre>&lt;223&gt; Description of Artificial Sequence:</pre>	nroho
\223\sigma Descripcion of Artificial Sequence.	probe
.400.	
<400> 9	
cgataatatg atgcctaggc agaaatatta tcg	33
<210> 10	
<211> 37	
<212> DNA	
<213> Artificial Sequence	
<220>	
	nraha
<223> Description of Artificial Sequence:	brope
<400> 10	
tatcaataat aaacgaatag gggtgttaat attgata	37

<210>	11		
<211>	37		
<212>	DNA		
<213>	Artificial Sequence		
<220>			
<223>	Description of Artificial Sequence: target molecule	complementary	
<400>	11		
acgcto	cacta tgagttaaag cttgctgaag gttatga		37
<210>	12		
<211>	30		
<212>	DNA		
<213>	Artificial Sequence		
<220>			
<223>	Description of Artificial Sequence:	complementary	
	target molecule		
<400>			
tatgga	aggtg tagaaggtgt tatcatcatt		30
<210>	13		
<211>	36		
<212>	DNA		
<213>	Artificial Sequence		
<220>			
<223>	Description of Artificial Sequence:	probe	
<400>	13		
acacgo	ctcat caagctttaa ctcatagtga gcgtgt		36
<210>	14		
<211>	24		
<212>			
<213>	Artificial Sequence		
<220>			
<223>	Description of Artificial Sequence: target molecule	complementary	
	4		

. .

.

<400> 14	
acgctcacta tgagttaaag cttg	24
<210> 15	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: mismatch	
target molecule	
<400> 15	
acgctgacta tgagttaaag cttg	24
<210> 16	
<211> 39	
<212> DNA	
<213> Artificial Sequence	
\Z13> Altilicial Sequence	
1000	
<220>	
<223> Description of Artificial Sequence: complementary	
target molecule	
<400> 16	
tttcttttca tgaatattag aaatccatgg tgaaagaaa	39
<210> 17	
<211> 34	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<pre>&lt;223&gt; Description of Artificial Sequence: complementary</pre>	
target molecule	
carget morecure	
.400. 45	
<400> 17	
tcgcgagtgt ttgattttt cctaacacta acga	34
<210> 18	
<211> 33	
<212> DNA	
<pre></pre>	

<220>			
<223>	Description of Artificial Sequence:	complementary	
	target molecule		
<400>	18		
cgataa	atatt tctgcctagg catcatatta tcg		33
<210>	19		
<211>	37		
<212>	DNA		
<213>	Artificial Sequence		
	·	,	
<220>			
<223>	Description of Artificial Sequence:	complementary	
	target molecule		
<400>	19		
tatcaa	atatt aacaccccta ttcgtttatt attgata		37